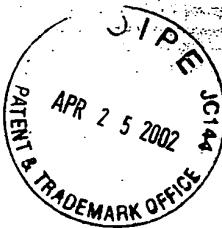


BIO TECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/973 424
Source: USPTO
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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

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Express Mail Label No.: EL955089259US
Date of Deposit: April 25, 2002

Attorney Docket No. 15966-585 CIP2 (Cura-85 CIP2)

9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Prayaga *et al.*
SERIAL NUMBER: 09/973,424 EXAMINER: Not Yet Assigned
FILING DATE: October 9, 2001 ART UNIT: 1653
FOR: NOVEL POLYPEPTIDES HOMOLOGOUS TO THYMOSIN, EPHRIN A
RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES
ENCODING SAME

Assistant Commissioner for Patents
Washington, D.C. 20231

**STATEMENT IN SUPPORT OF COMPUTER READABLE
FORM SUBMISSION UNDER 37 C.F.R. § 1.821(f)**

I hereby state that the content of the paper and computer readable forms of the Sequence Listing, submitted in the above-identified application in accordance with 37 C.F.R. § 1.821(c) and 1.821(e), respectively, are the same. No new matter is added.

Respectfully submitted,

April 25, 2002


Cynthia A. Kozakiewicz, Reg. No. 42,764
Attorney for Applicant
c/o Mintz, Levin
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Boston, MA 02111
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Fax : (617) 542 2241

Does Not Comply
Corrected Diskette Needed



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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:09

Input Set : A:\Cura85c1.app
Output Set: N:\CRF3\03122002\I973424.raw

```

3 <110> APPLICANT: Prayaga, Sudhirdas K
4      Taupier Jr, Raymond J
5      Bandaru, Raj
7 <120> TITLE OF INVENTION: NOVEL POLYPEPTIDES HOMOLOGOUS TO THYMOGIN, EPHRIN A
8      RECEPTORS, AND FIBROMODULIN, AND POLYNUCLEOTIDES
9      ENCODING SAME
11 <130> FILE REFERENCE: 15966-585 CIP2
13 <140> CURRENT APPLICATION NUMBER: 09/973,424
14 <141> CURRENT FILING DATE: 2001-10-09
16 <150> PRIOR APPLICATION NUMBER: 60/159,805
17 <151> PRIOR FILING DATE: 1999-10-15
19 <150> PRIOR APPLICATION NUMBER: 60/159,992
20 <151> PRIOR FILING DATE: 1999-10-18
22 <150> PRIOR APPLICATION NUMBER: 60/160,952
23 <151> PRIOR FILING DATE: 1999-10-22
25 <150> PRIOR APPLICATION NUMBER: 09/689,486
26 <151> PRIOR FILING DATE: 2000-10-12
28 <150> PRIOR APPLICATION NUMBER: 09/687,276
29 <151> PRIOR FILING DATE: 2000-10-13
31 <160> NUMBER OF SEQ ID NOS: 84
33 <170> SOFTWARE: PatentIn Ver. 2.1

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ERRORED SEQUENCES

2417 <210> SEQ ID NO: 62
 2418 <211> LENGTH: 378 — Length does not match number of
 2419 <212> TYPE: PRT amino acids present, 1020.
 2420 <213> ORGANISM: Homo sapiens
 2422 <400> SEQUENCE: 62
 2423 Gly Cys Gly Cys Gly Cys Gly Gly Ala Ala Gly Thr Gly Ala
 2424 1 5 10 15
 2426 Ala Thr Thr Thr Gly Cys Thr Gly Gly Ala Cys Ala Cys Gly Thr Cys
 2427 20 25 30
 2429 Gly Ala Cys Cys Ala Thr Cys Cys Ala Cys Gly Gly Gly Ala Cys
 2430 35 40 45
 2432 Thr Gly Gly Gly Cys Thr Gly Gly Cys Thr Cys Ala Cys Gly Thr
 2433 50 55 60
 2435 Ala Thr Cys Cys Gly Gly Cys Thr Cys Ala Thr Gly Gly Gly Thr Gly
 2436 65 70 75 80
 2438 Gly Gly Ala Cys Thr Cys Cys Ala Thr Cys Ala Ala Cys Gly Ala Gly
 2439 85 90 95
 2441 Gly Thr Gly Gly Ala Cys Gly Ala Gly Thr Cys Cys Thr Cys Cys

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:09

Input Set : A:\Cura85cl.app
Output Set: N:\CRF3\03122002\I973424.raw

2442 100 105 110
2444 Ala Gly Cys Cys Cys Ala Thr Cys Cys Ala Cys Ala Cys Gly Thr Ala
2445 115 120 125
2447 Cys Cys Ala Gly Gly Thr Thr Thr Gly Cys Ala Ala Cys Gly Thr Cys
2448 130 135 140
2450 Ala Thr Gly Ala Gly Cys Cys Cys Ala Ala Cys Cys Ala Gly Ala
2451 145 150 155 160
2453 Ala Cys Ala Ala Cys Thr Gly Gly Cys Thr Gly Cys Gly Cys Ala Cys
2454 165 170 175
2456 Gly Ala Gly Cys Thr Gly Gly Thr Cys Cys Cys Cys Cys Gly Ala
2457 180 185 190
2459 Gly Ala Cys Gly Gly Cys Cys Cys Gly Gly Cys Gly Cys Gly
2460 195 200 205
2462 Thr Cys Thr Ala Thr Gly Cys Thr Gly Ala Gly Ala Thr Cys Ala Ala
2463 210 215 220
2465 Gly Thr Thr Thr Ala Cys Cys Cys Thr Gly Cys Gly Cys Gly Ala Cys
2466 225 230 235 240
2468 Thr Gly Cys Ala Ala Cys Ala Gly Cys Ala Thr Gly Cys Cys Thr Gly
2469 245 250 255
2471 Gly Thr Gly Thr Gly Cys Thr Gly Gly Cys Ala Cys Cys Thr Gly
2472 260 265 270
2474 Cys Ala Ala Gly Gly Ala Gly Ala Cys Cys Thr Thr Cys Ala Ala Cys
2475 275 280 285
2477 Cys Thr Cys Thr Ala Cys Thr Ala Cys Cys Thr Gly Gly Ala Gly Thr
2478 290 295 300
2480 Cys Gly Gly Ala Cys Cys Gly Cys Gly Ala Cys Cys Cys Thr Gly Gly
2481 305 310 315 320
2483 Gly Gly Cys Cys Ala Gly Cys Ala Cys Ala Cys Ala Ala Gly Ala Ala
2484 325 330 335
2486 Ala Gly Cys Cys Ala Gly Thr Thr Cys Cys Thr Cys Ala Ala Ala Ala
2487 340 345 350
2489 Thr Cys Gly Ala Cys Ala Cys Cys Ala Thr Thr Gly Cys Gly Gly Cys
2490 355 360 365
2492 Cys Gly Ala Cys Gly Ala Gly Cys Thr Thr Cys Ala Cys Ala
2493 370 375 380
2495 Gly Gly Thr Gly Cys Cys Gly Ala Cys Cys Thr Thr Gly Gly Thr Gly
2496 385 390 395 400
2498 Thr Gly Cys Gly Gly Cys Gly Thr Cys Thr Cys Ala Ala Gly Cys Thr
2499 405 410 415
2501 Cys Ala Ala Cys Ala Gly Gly Ala Gly Gly Thr Gly Cys Gly Cys
2502 420 425 430
2504 Ala Gly Thr Gly Thr Gly Gly Thr Cys Cys Cys Cys Thr Cys Ala
2505 435 440 445
2507 Gly Cys Ala Ala Gly Cys Gly Cys Gly Gly Cys Thr Thr Cys Thr Ala
2508 450 455 460
2510 Cys Cys Thr Gly Gly Cys Cys Thr Thr Cys Cys Ala Gly Gly Ala Cys
2511 465 470 475 480
2513 Ala Thr Ala Gly Gly Thr Gly Cys Cys Thr Gly Cys Cys Thr Gly Gly
2514 485 490 495

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:09

Input Set : A:\Cura85c1.app
Output Set: N:\CRF3\03122002\I973424.raw

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2516 Cys Cys Ala Thr Cys Cys Thr Cys Thr Cys Thr Cys Cys Gly
2517      500      505      510
2519 Cys Ala Thr Cys Thr Ala Cys Thr Ala Thr Ala Ala Gly Ala Ala Gly
2520      515      520      525
2522 Thr Gly Cys Cys Cys Thr Gly Cys Cys Ala Thr Gly Gly Thr Gly Cys
2523      530      535      540
2525 Gly Cys Ala Ala Thr Cys Thr Gly Gly Cys Thr Gly Cys Cys Thr Thr
2526      545      550      555      560
2528 Cys Thr Cys Gly Gly Ala Gly Gly Cys Ala Gly Thr Gly Ala Cys Gly
2529      565      570      575
2531 Gly Gly Gly Gly Cys Cys Gly Ala Cys Thr Cys Gly Thr Cys Cys Thr
2532      580      585      590
2534 Cys Ala Cys Thr Gly Gly Thr Gly Gly Ala Gly Gly Thr Gly Ala Gly
2535      595      600      605
2537 Gly Gly Gly Cys Cys Ala Gly Thr Gly Cys Gly Thr Gly Cys Gly Gly
2538      610      615      620
2540 Cys Ala Cys Thr Cys Ala Gly Ala Gly Ala Gly Cys Gly Gly Gly
2541      625      630      635      640
2543 Ala Cys Ala Cys Ala Cys Cys Ala Ala Gly Ala Thr Gly Thr Ala
2544      645      650      655
2546 Cys Thr Gly Cys Ala Gly Cys Gly Cys Gly Gly Ala Gly Gly Gly Cys
2547      660      665      670
2549 Gly Ala Gly Thr Gly Gly Cys Thr Cys Gly Thr Gly Cys Cys Cys Ala
2550      675      680      685
2552 Thr Cys Gly Gly Cys Ala Ala Ala Thr Gly Cys Gly Thr Gly Thr Gly
2553      690      695      700
2555 Cys Ala Gly Thr Gly Cys Cys Gly Gly Cys Thr Ala Cys Gly Ala Gly
2556      705      710      715      720
2558 Gly Ala Gly Cys Gly Gly Cys Gly Gly Ala Thr Gly Cys Cys Thr
2559      725      730      735
2561 Gly Thr Gly Thr Gly Gly Cys Cys Thr Gly Thr Gly Ala Gly Cys Thr
2562      740      745      750
2564 Gly Gly Gly Cys Thr Thr Cys Thr Ala Cys Ala Ala Gly Thr Cys Ala
2565      755      760      765
2567 Gly Cys Cys Cys Cys Thr Gly Gly Gly Ala Cys Cys Ala Gly Cys
2568      770      775      780
2570 Thr Gly Thr Gly Thr Gly Cys Cys Cys Gly Cys Thr Gly Cys Cys Cys
2571      785      790      795      800
2573 Thr Cys Cys Cys Cys Ala Cys Ala Gly Cys Cys Ala Cys Thr Cys Cys
2574      805      810      815
2576 Gly Cys Ala Gly Cys Thr Cys Cys Ala Gly Cys Cys Gly Cys Cys Cys
2577      820      825      830
2579 Ala Ala Gly Cys Cys Thr Gly Cys Cys Ala Cys Thr Gly Thr Gly Ala
2580      835      840      845
2582 Cys Cys Thr Cys Ala Gly Cys Thr Ala Cys Thr Ala Cys Cys Gly Thr
2583      850      855      860
2585 Gly Cys Ala Gly Cys Cys Cys Thr Gly Gly Ala Cys Cys Cys Gly Cys
2586      865      870      875      880
2588 Cys Gly Thr Cys Cys Thr Cys Ala Gly Cys Cys Thr Gly Cys Ala Cys

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:09

Input Set : A:\Cura85cl.app
Output Set: N:\CRF3\03122002\I973424.raw

2589	885	890	895	
2591	Cys Cys Gly Gly Cys Cys Ala Cys Cys Cys Thr Cys Gly Gly Cys Ala			
2592	900	905	910	
2594	Cys Cys Ala Gly Thr Gly Ala Ala Cys Cys Thr Gly Ala Thr Cys Thr			
2595	915	920	925	
2597	Cys Cys Ala Gly Thr Gly Thr Gly Ala Ala Thr Gly Gly Ala Cys			
2598	930	935	940	
2600	Ala Thr Cys Ala Gly Thr Gly Ala Cys Thr Cys Thr Gly Gly Ala Gly			
2601	945	950	955	960
2603	Thr Gly Gly Cys Cys Cys Cys Thr Cys Cys Cys Cys Thr Gly Gly			
2604	965	970	975	
2606	Ala Cys Cys Cys Ala Gly Gly Thr Gly Gly Cys Cys Gly Cys Ala Gly			
2607	980	985	990	
2609	Thr Gly Ala Cys Ala Thr Cys Ala Cys Cys Thr Ala Cys Ala Ala Thr			
2610	995	1000	1005	
2612	Gly Cys Cys Gly Thr Gly Thr Gly Cys Cys Gly Cys			
E--> 2613	1010	1015	1020	
2616	<210> SEQ ID NO: 63			
2617	<211> LENGTH: 338	- number does not match number of		
2618	<212> TYPE: PRT	amino acids present, 515		
2619	<213> ORGANISM: Gallus gallus			
2621	<400> SEQUENCE: 63			
2622	Ala Arg Gly Glu Val Asn Leu Leu Asp Thr Ser Thr Ile His Gly Asp			
2623	1	5	10	15
2625	Trp Gly Trp Leu Thr Tyr Pro Ala His Gly Trp Asp Ser Ile Asn Glu			
2626	20	25	30	
2628	Val Asp Glu Ser Phe Gln Pro Ile His Thr Tyr Gln Val Cys Asn Val			
2629	35	40	45	
2631	Met Ser Pro Asn Gln Asn Asn Trp Leu Arg Thr Ser Trp Val Pro Arg			
2632	50	55	60	
2634	Asp Gly Ala Arg Arg Val Tyr Ala Glu Ile Lys Phe Thr Leu Arg Asp			
2635	65	70	75	80
2637	Cys Asn Ser Met Pro Gly Val Leu Gly Thr Cys Lys Glu Thr Phe Asn			
2638	85	90	95	
2640	Leu Tyr Tyr Leu Glu Ser Asp Arg Asp Leu Gly Ala Ser Thr Gln Glu			
2641	100	105	110	
2643	Ser Gln Phe Leu Lys Ile Asp Thr Ile Ala Ala Asp Glu Ser Phe Thr			
2644	115	120	125	
2646	Gly Ala Asp Leu Gly Val Arg Arg Leu Lys Leu Asn Thr Glu Val Arg			
2647	130	135	140	
2649	Ser Val Gly Pro Leu Ser Lys Arg Gly Phe Tyr Leu Ala Phe Gln Asp			
2650	145	150	155	160
2652	Ile Gly Ala Cys Leu Ala Ile Leu Ser Leu Arg Ile Tyr Tyr Lys Lys			
2653	165	170	175	
2655	Cys Pro Ala Met Val Arg Asn Leu Ala Ala Phe Ser Glu Ala Val Thr			
2656	180	185	190	
2658	Gly Ala Asp Ser Ser Ser Leu Val Glu Val Arg Gly Gln Cys Val Arg			
2659	195	200	205	
2661	His Ser Glu Glu Arg Asp Thr Pro Lys Met Tyr Cys Ser Ala Glu Gly			

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:09

Input Set : A:\Cura85c1.app
Output Set: N:\CRF3\03122002\I973424.raw

2662	210	215	220
2664	Glu Trp Leu Val Pro Ile Gly Lys Cys Val Cys Ser Ala Gly Tyr Glu		
2665	225	230	235
2667	Glu Arg Arg Asp Ala Cys Val Ala Cys Glu Leu Gly Phe Tyr Lys Ser		240
2668	245	250	255
2670	Ala Pro Gly Asp Gln Leu Cys Ala Arg Cys Pro Pro His Ser His Ser		
2671	260	265	270
2673	Ala Ala Pro Ala Ala Gln Ala Cys His Cys Asp Leu Ser Tyr Tyr Arg		
2674	275	280	285
2676	Ala Ala Leu Asp Pro Pro Ser Ser Ala Cys Thr Arg Pro Pro Ser Ala		
2677	290	295	300
2679	Pro Val Asn Leu Ile Ser Ser Val Asn Gly Thr Ser Val Thr Leu Glu		
2680	305	310	315
2682	Trp Ala Pro Pro Leu Asp Pro Gly Gly Arg Ser Asp Ile Thr Tyr Asn		320
2683	325	330	335
2685	Ala Val Cys Arg Arg Cys Pro Trp Ala Leu Ser Arg Cys Glu Ala Cys		
2686	340	345	350
2688	Gly Ser Gly Thr Arg Phe Val Pro Gln Gln Thr Ser Leu Val Gln Ala		
2689	355	360	365
2691	Ser Leu Leu Val Ala Asn Leu Leu Ala His Met Asn Tyr Ser Phe Trp		
2692	370	375	380
2694	Ile Glu Ala Val Asn Gly Val Ser Asp Leu Ser Pro Glu Pro Arg Arg		
2695	385	390	395
2697	Ala Ala Val Val Asn Ile Thr Thr Asn Gln Ala Ala Pro Ser Gln Val		400
2698	405	410	415
2700	Val Val Ile Arg Gln Glu Arg Ala Gly Gln Thr Ser Val Ser Leu Leu		
2701	420	425	430
2703	Trp Gln Glu Pro Glu Gln Pro Asn Gly Ile Ile Leu Glu Tyr Glu Ile		
2704	435	440	445
2706	Lys Tyr Tyr Glu Lys Asp Lys Glu Met Gln Ser Tyr Ser Thr Leu Lys		
2707	450	455	460
2709	Ala Val Thr Thr Arg Ala Thr Val Ser Gly Leu Lys Pro Gly Thr Arg		
2710	465	470	475
2712	Tyr Val Phe Gln Val Arg Ala Arg Thr Ser Ala Gly Cys Gly Arg Phe		480
2713	485	490	495
2715	Ser Gln Ala Met Glu Val Glu Thr Gly Lys Pro Arg Pro Arg Tyr Asp		
2716	500	505	510
2718	Thr Arg Thr		
E--> 2719	515		

2722 <210> SEQ ID NO: 64
 2723 <211> LENGTH: 326 — number does not match the number
 2724 <212> TYPE: PRT of amino acids present, 1992 .
 2725 <213> ORGANISM: Bos taurus
 2727 <400> SEQUENCE: 64
 2728 Ala Thr Gly Gly Thr Gly Gly Cys Ala Cys Ala Cys Cys
 2729 1 5 10 15
 2731 Cys Cys Ala Cys Cys Gly Cys Cys Ala Cys Thr Gly Cys Cys Ala Cys
 2732 20 25 30
 2734 Cys Ala Cys Cys Ala Cys Gly Cys Cys Ala Cys Thr Gly Cys Cys

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:10

Input Set : A:\Cura85cl.app
Output Set: N:\CRF3\03122002\I973424.raw

2735	35	40	45	
2737	Ala Cys Thr Gly Thr Cys Ala Cys Gly Gly Cys Cys Ala Cys Cys Gly			
2738	50	55	60	
2740	Thr Thr Gly Thr Gly Ala Thr Gly Ala Cys Cys Ala Cys Gly Gly Cys			
2741	65	70	75	80
2743	Cys Ala Cys Cys Ala Thr Gly Gly Ala Cys Cys Thr Gly Cys Gly Gly			
2744	85	90	95	
2746	Gly Ala Cys Thr Gly Gly Cys Thr Gly Thr Thr Cys Cys Thr Cys Thr			
2747	100	105	110	
2749	Gly Cys Thr Ala Cys Gly Gly Cys Thr Cys Ala Thr Cys Gly Cys			
2750	115	120	125	
2752	Cys Thr Thr Cys Cys Thr Gly Ala Cys Gly Ala Gly Gly Thr Cys			
2753	130	135	140	
2755	Ala Thr Cys Gly Ala Cys Ala Gly Cys Ala Cys Cys Ala Cys Cys Thr			
2756	145	150	155	160
2758	Gly Cys Cys Cys Cys Thr Cys Gly Gly Thr Gly Thr Gly Cys Cys Gly			
2759	165	170	175	
2761	Cys Thr Gly Cys Gly Ala Cys Ala Ala Cys Gly Gly Cys Thr Thr Cys			
2762	180	185	190	
2764	Ala Thr Cys Thr Ala Cys Thr Gly Cys Ala Ala Cys Gly Ala Cys Cys			
2765	195	200	205	
2767	Gly Gly Gly Ala Cys Thr Cys Ala Cys Ala Thr Cys Cys Ala Thr			
2768	210	215	220	
2770	Cys Cys Cys Cys Cys Ala Gly Ala Thr Ala Thr Cys Cys Cys Thr			
2771	225	230	235	240
2773	Gly Ala Thr Gly Ala Thr Gly Cys Cys Ala Cys Cys Ala Cys Cys Cys			
2774	245	250	255	
2776	Thr Cys Thr Ala Cys Cys Thr Gly Cys Ala Gly Ala Ala Cys Ala Ala			
2777	260	265	270	
2779	Cys Cys Ala Gly Ala Thr Cys Ala Ala Cys Ala Cys Gly Cys Cys			
2780	275	280	285	
2782	Gly Gly Cys Ala Thr Cys Cys Cys Cys Ala Gly Gly Ala Cys Cys			
2783	290	295	300	
2785	Thr Cys Ala Ala Gly Ala Cys Cys Ala Ala Gly Gly Thr Cys Ala Ala			
2786	305	310	315	320
2788	Cys Gly Thr Gly Cys Ala Gly Gly Thr Cys Ala Thr Cys Thr Ala Cys			
2789	325	330	335	
2791	Cys Thr Ala Thr Ala Cys Gly Ala Gly Ala Ala Thr Gly Ala Cys Cys			
2792	340	345	350	
2794	Thr Gly Gly Ala Thr Gly Ala Gly Thr Thr Cys Cys Cys Cys Ala Thr			
2795	355	360	365	
2797	Cys Ala Ala Cys Cys Thr Gly Cys Cys Cys Gly Cys Thr Cys Cys			
2798	370	375	380	
2800	Cys Thr Cys Cys Gly Gly Ala Gly Cys Thr Gly Cys Ala Cys Cys			
2801	385	390	395	400
2803	Thr Gly Cys Ala Gly Gly Ala Cys Ala Ala Cys Ala Ala Thr Gly Thr			
2804	405	410	415	
2806	Gly Cys Gly Cys Ala Cys Cys Ala Thr Thr Gly Cys Cys Ala Gly Gly			
2807	420	425	430	

RAW SEQUENCE LISTING DATE: 03/12/2002
 PATENT APPLICATION: US/09/973,424 TIME: 13:56:10

Input Set : A:\Cura85c1.app
 Output Set: N:\CRF3\03122002\I973424.raw

2809 Gly Ala Cys Thr Cys Gly Cys Thr Gly Gly Cys Cys Cys Gly Cys Ala
 2810 435 440 445
 2812 Thr Cys Cys Cys Gly Cys Thr Gly Cys Thr Gly Gly Ala Gly Ala Ala
 2813 450 455 460
 2815 Gly Cys Thr Gly Cys Ala Cys Cys Thr Gly Gly Ala Thr Gly Ala Cys
 2816 465 470 475 480
 2818 Ala Ala Cys Thr Cys Cys Gly Thr Gly Thr Cys Cys Ala Cys Cys Gly
 2819 485 490 495
 2821 Thr Cys Ala Gly Cys Ala Thr Thr Gly Ala Gly Gly Ala Gly Ala
 2822 500 505 510
 2824 Cys Gly Cys Cys Thr Thr Cys Gly Cys Cys Gly Ala Cys Ala Gly Cys
 2825 515 520 525
 2827 Ala Ala Ala Cys Ala Gly Cys Thr Cys Ala Ala Gly Cys Thr Gly Cys
 2828 530 535 540
 2830 Thr Cys Thr Thr Cys Cys Thr Gly Ala Gly Cys Cys Gly Gly Ala Ala
 2831 545 550 555 560
 2833 Cys Cys Ala Cys Cys Thr Gly Ala Gly Cys Ala Gly Cys Ala Thr Cys
 2834 565 570 575
 2836 Cys Cys Cys Thr Cys Gly Gly Gly Cys Thr Gly Cys Cys Gly Cys
 2837 580 585 590
 2839 Ala Cys Ala Cys Gly Cys Thr Gly Gly Ala Gly Gly Ala Gly Cys Thr
 2840 595 600 605
 2842 Gly Cys Gly Gly Cys Thr Gly Gly Ala Thr Gly Ala Cys Ala Ala Cys
 2843 610 615 620
 2845 Cys Gly Cys Ala Thr Cys Thr Cys Cys Ala Cys Ala Thr Cys Cys
 2846 625 630 635 640
 2848 Cys Gly Cys Thr Gly Cys Ala Thr Gly Cys Cys Thr Thr Cys Ala Ala
 2849 645 650 655
 2851 Gly Gly Gly Cys Cys Thr Cys Ala Ala Cys Ala Gly Cys Cys Thr Gly
 2852 660 665 670
 2854 Cys Gly Gly Cys Cys Cys Thr Gly Gly Thr Gly Cys Thr Gly Gly
 2855 675 680 685
 2857 Ala Cys Gly Gly Thr Ala Ala Cys Cys Thr Gly Cys Thr Gly Gly Cys
 2858 690 695 700
 2860 Cys Ala Ala Cys Cys Ala Gly Cys Gly Cys Ala Thr Cys Gly Cys Cys
 2861 705 710 715 720
 2863 Gly Ala Cys Gly Ala Cys Cys Cys Thr Thr Cys Ala Gly Cys Cys
 2864 725 730 735
 2866 Gly Cys Cys Thr Ala Cys Ala Gly Ala Ala Cys Cys Thr Cys Ala Cys
 2867 740 745 750
 2869 Ala Gly Ala Gly Cys Thr Cys Thr Cys Gly Cys Thr Gly Gly Thr Gly
 2870 755 760 765
 2872 Cys Gly Cys Ala Ala Thr Thr Cys Gly Cys Thr Gly Gly Cys Cys Gly
 2873 770 775 780
 2875 Cys Gly Cys Cys Ala Cys Cys Cys Cys Thr Cys Thr Ala Cys Cys Thr
 2876 785 790 795 800
 2878 Gly Cys Ala Gly Gly Ala Cys Ala Ala Thr Gly Cys Cys Ala Thr Cys
 2879 805 810 815
 2881 Ala Gly Cys Cys Ala Cys Ala Thr Cys Cys Cys Cys Thr Ala Cys Ala

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:10

Input Set : A:\Cura85cl.app
Output Set: N:\CRF3\03122002\I973424.raw

2882	820	825	830
2884	Ala Cys Ala Cys Gly Cys Thr Gly Gly Cys Cys Ala Ala Gly Ala Thr		
2885	835	840	845
2887	Gly Cys Gly Thr Gly Ala Gly Cys Thr Gly Gly Ala Gly Cys Gly Gly		
2888	850	855	860
2890	Cys Thr Gly Gly Ala Cys Cys Thr Gly Thr Cys Cys Ala Ala Cys Ala		
2891	865	870	875
2893	Ala Cys Ala Ala Cys Cys Thr Gly Ala Cys Cys Ala Cys Gly Cys Thr		
2894	885	890	895
2896	Gly Cys Cys Cys Gly Cys Gly Cys Cys Thr Gly Thr Thr Cys		
2897	900	905	910
2899	Gly Ala Cys Gly Ala Cys Cys Thr Gly Gly Gly Ala Ala Cys Cys		
2900	915	920	925
2902	Thr Gly Gly Cys Cys Ala Gly Cys Thr Gly Cys Thr Gly Cys Thr		
2903	930	935	940
2905	Cys Ala Gly Gly Ala Ala Cys Ala Ala Cys Cys Cys Thr Thr Gly Gly		
2906	945	950	955
2908	960	965	970
2909	975	980	985
2911	990	995	1000
2912	1005	1010	1015
2914	1020	1025	1030
2915	1035	1040	1045
2917	1055	1060	1065
2918	1070	1075	1080
2920	1085	1090	1095
2921	1095	1100	1110
2923	1120	1125	1130
2924	1135	1140	1145
2926	1145	1150	1155
2927	1160	1165	1170
2929	1175	1180	1190
2930	1195	1200	1205
2932	1210	1215	
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RAW SEQUENCE LISTING DATE: 03/12/2002
 PATENT APPLICATION: US/09/973,424 TIME: 13:56:10

Input Set : A:\Cura85c1.app
 Output Set: N:\CRF3\03122002\I973424.raw

2956 Gly Gly Cys Cys Ala Gly Gly Cys Thr Gly Cys Gly Cys Cys Thr
 2957 1220 1225 1230
 2959 Cys Cys Cys Cys Gly Ala Cys Thr Cys Cys Ala Ala Cys Ala Thr Thr
 2960 1235 1240 1245
 2962 Gly Ala Cys Thr Ala Cys Cys Cys Ala Thr Gly Gly Cys Cys Ala
 2963 1250 1255 1260
 2965 Cys Gly Gly Gly Thr Gly Ala Thr Gly Gly Cys Cys Cys Ala Ala
 2966 1265 1270 1275 1280
 2968 Gly Ala Cys Cys Cys Thr Gly Gly Cys Cys Ala Thr Cys Cys Ala Cys
 2969 1285 1290 1295
 2971 Gly Thr Gly Ala Ala Gly Gly Cys Cys Cys Thr Gly Ala Cys Gly Gly
 2972 1300 1305 1310
 2974 Cys Ala Gly Ala Cys Thr Cys Cys Ala Thr Cys Cys Gly Cys Ala Thr
 2975 1315 1320 1325
 2977 Cys Ala Cys Gly Thr Gly Ala Ala Gly Gly Cys Cys Ala Cys Gly
 2978 1330 1335 1340
 2980 Cys Thr Cys Cys Cys Cys Gly Cys Cys Thr Cys Cys Thr Cys Thr
 2981 1345 1350 1355 1360
 2983 Thr Cys Cys Gly Gly Cys Thr Cys Ala Gly Thr Thr Gly Gly Cys Thr
 2984 1365 1370 1375
 2986 Gly Cys Gly Cys Cys Thr Gly Gly Cys Cys Ala Cys Ala Gly Cys
 2987 1380 1385 1390
 2989 Cys Cys Ala Gly Cys Cys Gly Thr Gly Gly Cys Thr Cys Cys Ala
 2990 1395 1400 1405
 2992 Thr Cys Ala Cys Gly Gly Ala Gly Ala Cys Cys Thr Thr Gly Gly Thr
 2993 1410 1415 1420
 2995 Gly Cys Ala Gly Gly Gly Ala Cys Ala Ala Gly Ala Cys Ala
 2996 1425 1430 1435 1440
 2998 Gly Ala Gly Thr Ala Cys Cys Thr Gly Cys Thr Gly Ala Cys Ala Gly
 2999 1445 1450 1455
 3001 Cys Cys Cys Thr Gly Gly Ala Gly Cys Cys Cys Ala Ala Gly Thr Cys
 3002 1460 1465 1470
 3004 Cys Ala Cys Cys Thr Ala Cys Ala Thr Cys Ala Thr Cys Thr Gly Cys
 3005 1475 1480 1485
 3007 Ala Thr Gly Gly Thr Cys Ala Cys Cys Ala Thr Gly Gly Ala Gly Ala
 3008 1490 1495 1500
 3010 Cys Cys Ala Gly Cys Ala Ala Thr Gly Cys Cys Thr Ala Cys Gly Thr
 3011 1505 1510 1515 1520
 3013 Ala Gly Cys Thr Gly Ala Thr Gly Ala Gly Ala Cys Ala Cys Cys Cys
 3014 1525 1530 1535
 3016 Gly Thr Gly Thr Gly Cys Cys Ala Ala Gly Gly Cys Ala Gly
 3017 1540 1545 1550
 3019 Ala Gly Ala Cys Ala Gly Cys Cys Gly Ala Cys Ala Gly Cys Thr Ala
 3020 1555 1560 1565
 3022 Thr Gly Gly Cys Cys Cys Thr Ala Cys Cys Ala Cys Cys Ala Cys Ala
 3023 1570 1575 1580
 3025 Cys Thr Cys Ala Ala Cys Cys Ala Gly Gly Ala Gly Cys Ala Gly Ala
 3026 1585 1590 1595 1600
 3028 Ala Cys Gly Cys Thr Gly Gly Cys Cys Cys Ala Thr Gly Gly Cys

RAW SEQUENCE LISTING DATE: 03/12/2002
PATENT APPLICATION: US/09/973,424 TIME: 13:56:10

Input Set : A:\Cura85cl.app
Output Set: N:\CRF3\03122002\I973424.raw

3029 1605 1610 1615
3031 Gly Ala Gly Cys Cys Thr Gly Cys Cys Cys Cys Thr Gly Gly Cys Gly
3032 1620 1625 1630
3034 Gly Gly Cys Ala Thr Cys Ala Thr Cys Gly Gly Cys Gly Gly Gly
3035 1635 1640 1645
3037 Cys Ala Gly Thr Gly Gly Cys Thr Cys Thr Gly Gly Thr Cys Thr Thr
3038 1650 1655 1660
3040 Cys Cys Thr Cys Thr Cys Cys Thr Gly Gly Thr Cys Cys Thr Gly
3041 1665 1670 1675 1680
3043 Gly Gly Gly Cys Cys Ala Thr Cys Thr Gly Cys Thr Gly Gly Thr
3044 1685 1690 1695
3046 Ala Cys Gly Thr Gly Cys Ala Cys Cys Ala Gly Gly Cys Thr Gly Gly
3047 1700 1705 1710
3049 Cys Gly Ala Gly Cys Thr Gly Cys Thr Gly Ala Cys Cys Cys Gly Gly
3050 1715 1720 1725
3052 Gly Ala Gly Ala Gly Gly Cys Cys Thr Ala Cys Ala Ala Cys Cys
3053 1730 1735 1740
3055 Gly Gly Gly Cys Ala Gly Cys Ala Gly Gly Ala Ala Ala Ala Ala
3056 1745 1750 1755 1760
3058 Gly Gly Ala Thr Gly Ala Cys Thr Ala Thr Ala Thr Gly Gly Ala Gly
3059 1765 1770 1775
3061 Thr Cys Ala Gly Gly Ala Cys Cys Ala Ala Gly Ala Ala Gly Gly
3062 1780 1785 1790
3064 Ala Thr Ala Ala Cys Thr Cys Cys Ala Thr Cys Cys Thr Gly Gly Ala
3065 1795 1800 1805
3067 Ala Ala Thr Cys Cys Gly Cys Gly Gly Cys Cys Cys Thr Gly Gly Gly
3068 1810 1815 1820
3070 Cys Thr Gly Cys Ala Gly Ala Thr Gly Cys Thr Gly Cys Cys Cys Ala
3071 1825 1830 1835 1840
3073 Thr Cys Ala Ala Cys Cys Gly Thr Ala Cys Cys Gly Cys Gly Cys
3074 1845 1850 1855
3076 Cys Ala Ala Ala Gly Ala Ala Gly Thr Ala Cys Gly Thr Gly
3077 1860 1865 1870
3079 Gly Thr Cys Cys Ala Cys Ala Cys Thr Ala Thr Cys Thr Cys Cys
3080 1875 1880 1885
3082 Cys Cys Thr Cys Cys Ala Ala Cys Gly Gly Cys Ala Gly Cys Ala Gly
3083 1890 1895 1900
3085 Cys Cys Thr Cys Thr Gly Cys Ala Ala Gly Gly Cys Cys Ala Cys Ala
3086 1905 1910 1915 1920
3088 Cys Ala Cys Ala Cys Cys Ala Thr Thr Gly Gly Cys Thr Ala Cys Gly
3089 1925 1930 1935
3091 Gly Cys Ala Cys Cys Ala Cys Gly Cys Gly Gly Gly Cys Thr Ala
3092 1940 1945 1950
3094 Cys Cys Gly Gly Gly Ala Cys Gly Gly Cys Gly Gly Cys Ala Thr Cys
3095 1955 1960 1965
3097 Cys Cys Cys Gly Ala Cys Ala Thr Ala Gly Ala Cys Thr Ala Cys Thr
3098 1970 1975 1980
3100 Cys Cys Thr Ala Cys Ala Cys Ala
E--> 3101 1985 1990

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/973,424

DATE: 03/12/2002
TIME: 13:56:11

Input Set : A:\Cura85c1.app
Output Set: N:\CRF3\03122002\I973424.raw

L:2613 M:252 E: No. of Seq. differs, <211>LENGTH:Input:378 Found:1020 SEQ:62
L:2719 M:252 E: No. of Seq. differs, <211>LENGTH:Input:338 Found:515 SEQ:63
L:3101 M:252 E: No. of Seq. differs, <211>LENGTH:Input:326 Found:1992 SEQ:64